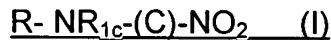
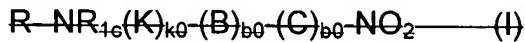


II. AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) Nitrooxyderivatives or salts thereof of having the following general formula (I)



wherein c_0 is 0 or 1;

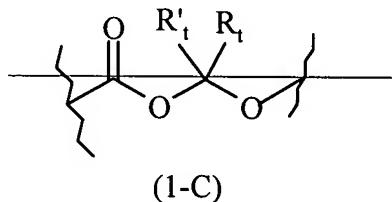
b_0 is 0 or 1, with the proviso that c_0 and b_0 can not be simultaneously 0;

k_0 is 0 or 1;

R is the radical of an analgesic drug for chronic pain;

R_{1c} [[, being]] is H or straight or branched alkyl with from 1 to 5 carbon atoms;

K is (CO) or the bivalent radical (1-C) having the following formula:



wherein the carbonyl group is bound to T_1 ; R_t and R_t' , same or different, are H, C_1-C_{10} -

alkyl, phenyl or benzyl, $COOR_y$, in which R_y = H, C_1-C_{10} -alkyl, phenyl, benzyl;

$B = T_B-X_2-T_{B1}$, wherein

$T_B = (CO)$ or X, in which X = O, S, NH;

with the proviso that:

when $b_0 = 1$ and $k_0 = 0$, then $T_B = (CO)$;

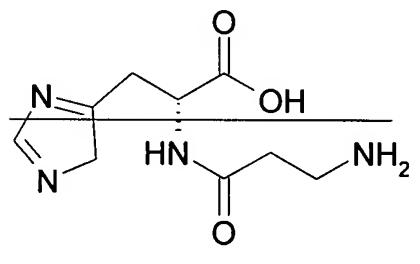
when $b_0 = 1$ and $k_0 = 1$, being K = (CO), then $T_B = X$ as defined above;

$T_{B1} = (CO)$ or (X) , wherein X is as defined above;

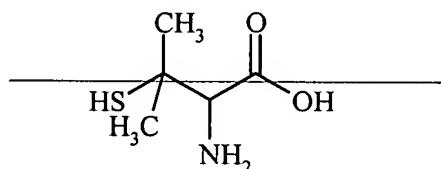
when $c0 = 0$, then $T_{B1} = 0$;

X_2 is such a bivalent bridging group such as the corresponding precursor of B, having the formula $Z - T_B - X_2 - T_{B1} - Z'$ in which Z, Z' are independently H or OH, is selected from the following compounds:

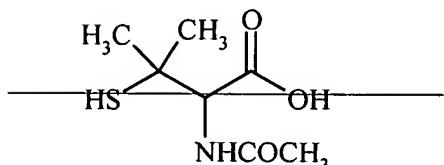
— Aminoacids: L-carnosine (CI), penicillamine (CV), N-acetylpenicillamine (CVI), cysteine (CVII), N-acetylcysteine (CVIII):



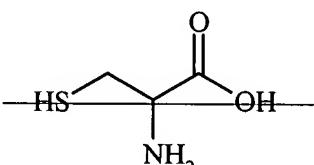
(CI)



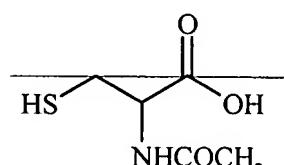
(CV)



(CVI)

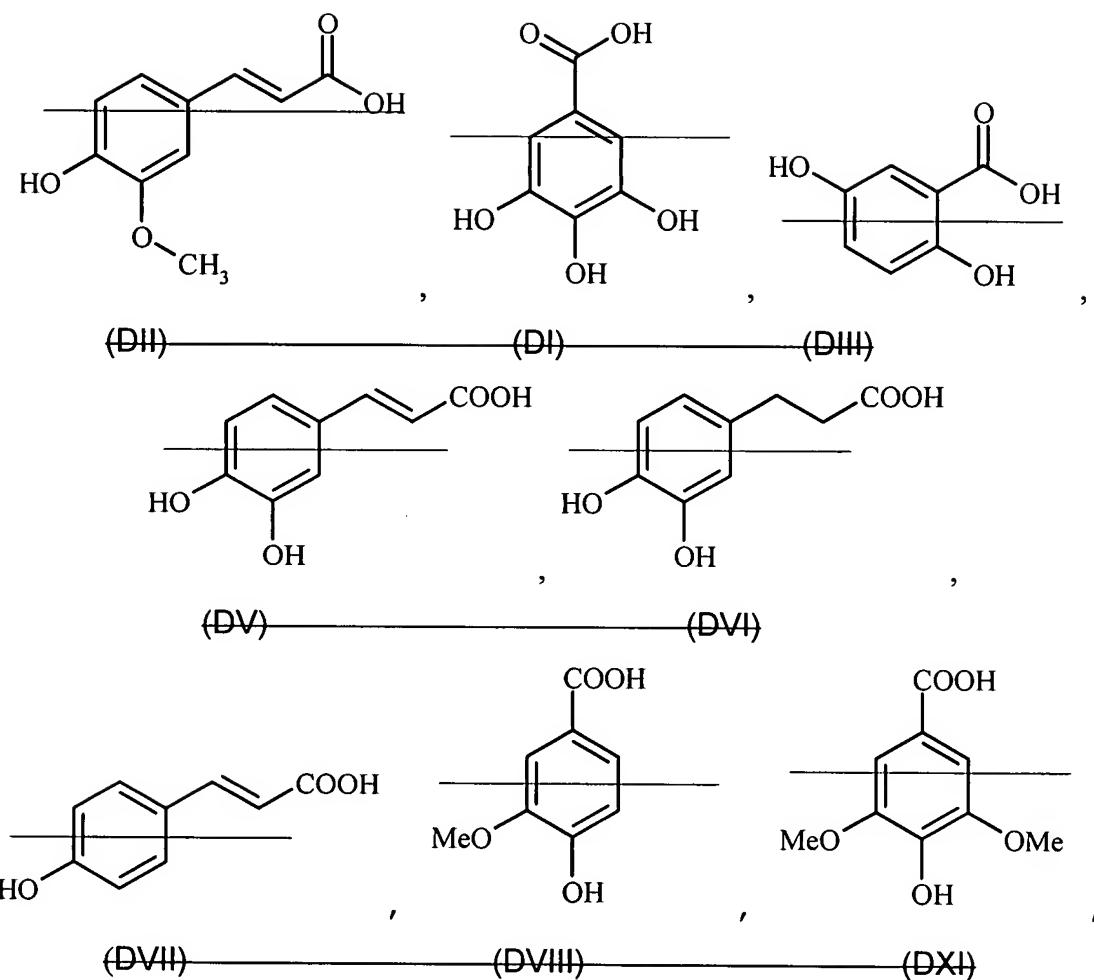


(CVII)

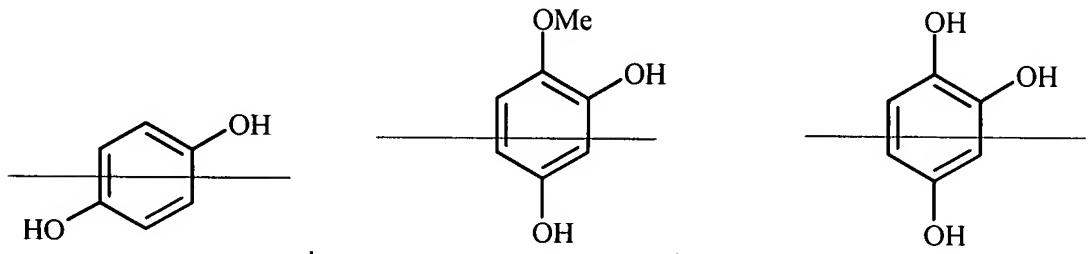


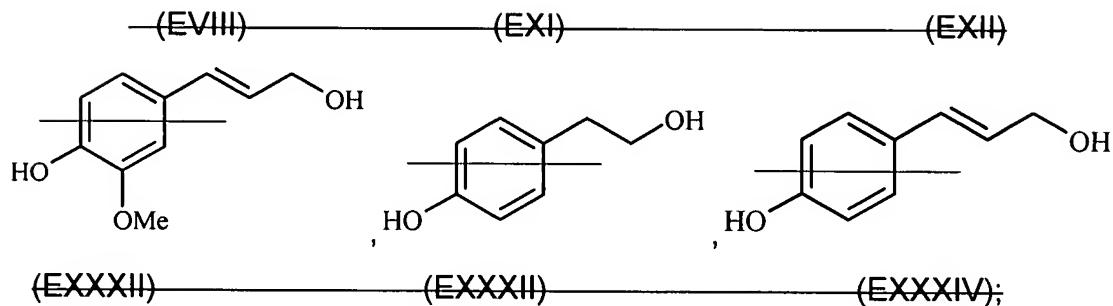
(CVIII)

— Hydroxyacids: gallic acid (DI), ferulic acid (DII), gentisic acid (DIII), caffeic acid (DV), hydro-caffeic acid (DVI), p-coumaric acid (DVII), vanillic acid (DVIII), syringic acid (DXI):



— aromatic polyalcohols: hydroquinone (EVIII), methoxyhydroquinone (EXI), hydroxyhydroquinone (EXII), coniferyl alcohol (EXXXII), 4 hydroxyphenethyl alcohol (EXXXIII), p-coumaric alcohol (EXXXIV):





C = bivalent radical having the of formula -T_c-Y

wherein

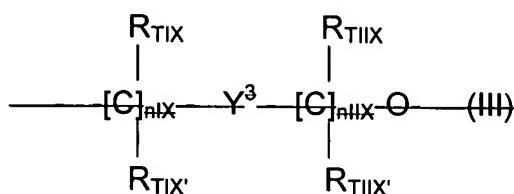
T_c = (CO) or X being as defined above;

with the proviso that when b0 = 0 and k0 = 1:

-T_c = (CO) when K = (1C),

-T_c = X as defined above when K = (CO); and

Y is has one of the following meanings:



wherein:

nIX is an integer of from 0 to 5;

nIIIX is an integer of from 1 to 5;

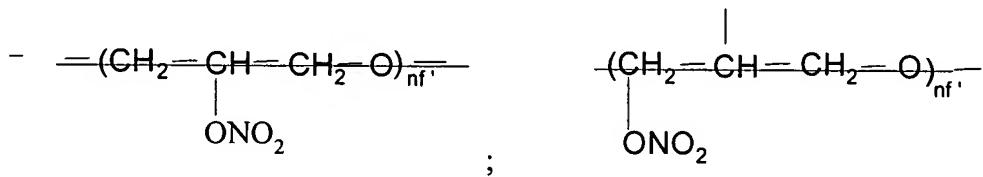
R_{TIX}, R_{TIX'}, R_{TIIX}, R_{TIIX'}, the same or different, are H or straight or branched C₁-C₄-alkyl;

~~Y³ is a saturated, unsaturated or aromatic heterocyclic ring with 5 or 6 atoms, containing one to three heteroatoms, said heteroatoms being the same or different and selected from nitrogen, oxygen or sulphur;~~

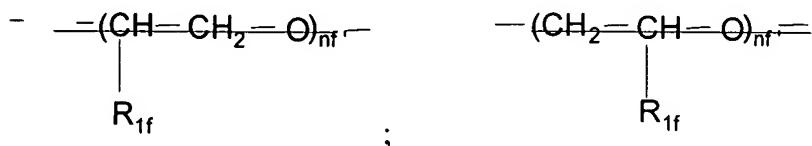
~~or Y may be:~~

~~an alkyleneoxy group -R'O- in which R' is straight or branched C₁-C₂₀ , [[or]] a cycloalkylene with from 5 to 7 carbon atoms, or, and wherein in cycloalkylene ring one or more carbon atoms can be replaced by heteroatoms and the ring may present side chains of R' type, R' being as defined above;~~

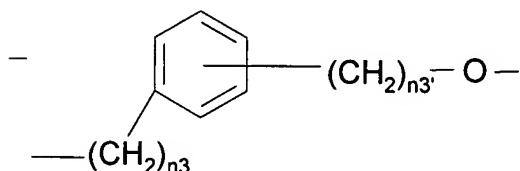
~~or one of the following groups:~~



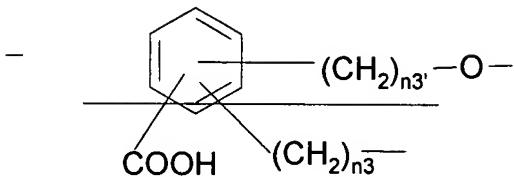
~~wherein nf is an integer from 1 to 6;~~



~~wherein R_{1f} = H, CH₃ and nf is an integer from 1 to 6;~~

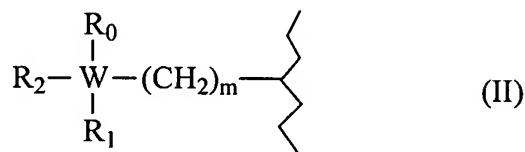


wherein n_3 is an integer from 0 to 5 and n_3' is an integer from 1 to 3; or



in which n_3 and n_3' have the meaning mentioned above;

R is the radical of an analgesic drug having of formula (II):



wherein:

W is a carbon or nitrogen atom;

m is 1 an integer of from 0 to 2;

$R_0 = [[H,]] - (CH_2)_n - COOR_y$, wherein $R_y = H, C_1-C_{10}$ -alkyl, phenyl, or benzyl being as defined above;

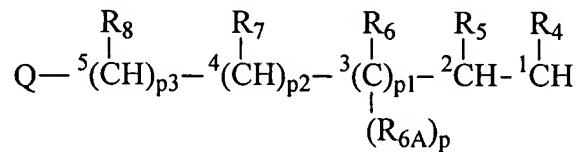
n is an integer of from 0 to 2;

$R_1 = H$; when $W = N$, R_1 is the electronic doublet on nitrogen atom (free valence);

R_2 is selected from the following groups:

- phenyl, optionally substituted with a halogen atom or with a group selected from - OCH_3 , $-CF_3$, nitro;
- mono or dihydroxy-substituted benzyl, preferably 3,4-dihydroxybenzyl;
- amidino group: $H_2N(C=NH)-$;

- a radical of formula (IIA), wherein optionally an ethylenic unsaturation may be present between the carbon atoms in position 1 and 2, or 3 and 4 or 4 and 5:



(IIA)

wherein:

p, p_1, p_2 are integers, same or different, and are 0 or 1;

p_3 in an integer of from 0 to 10;

R_4 is hydrogen, straight or branched C_1-C_6 -alkyl, free valence;

R_5 may have the following meanings:

- hydrogen,
- straight or branched C_1-C_6 -alkyl,
- C_3-C_6 -cycloalkyl, or
- OR_A, R_A having the following meanings:
 - straight or branched C_1-C_6 -alkyl, optionally substituted with one or more halogen atoms, preferably F,
 - phenyl optionally substituted with a halogen atom or with one of the following groups: $-\text{OCH}_3, -\text{CF}_3$, nitro;

R_6 , R_{6A} , R_7 , R_8 , the same or different, are H, methyl or free valence, with the proviso that when an ethylenic unsaturation is present between C_1 and C_2 in radical of formula (IIA), R_4 and R_5 are free valences able to form the double bond between C_1 and C_2 ; if the unsaturation is between C_3 and C_4 , R_6 and R_7 are free valence able to form the double bond between C_3 and C_4 ; if the unsaturation is between C_4 and C_5 , R_7 and R_8 are free valence able to form the double bond between C_4 and C_5 ;

Q is H, OH, OR_B , R_B being benzyl, straight or branched C_1 - C_6 -alkyl, optionally substituted with one or more halogen atoms, preferably F, phenyl optionally substituted with a halogen atom or with one of the following groups: $-OCH_3$, $-CF_3$, nitro; or

Q may have one of the following meanings:

- straight or branched C_1 - C_6 -alkyl,
- C_3 - C_6 -cycloalkyl,
- guanidino ($H_2NC(=NH)NH^-$), or
- thioguanidino ($H_2NC(=S)NH^-$) $[[.]]_+$

in formula (II) R_2 with R_1 and with $W = C$ form together a C_4 - C_{10} saturated or unsaturated ring.

2. (Canceled)

3. (Currently Amended) Compounds according to claim 1, wherein characterized in that
in formula (I):

c_0 is 1;

b_0 is 0 or 1;

k_0 is 0 or 1;

R_{1e} , =H;

K is (CO) or the bivalent radical (1C) as defined in claim 1;

$B = T_B - X_2 - T_{B1}$, wherein

T_B = (CO) or X , in which X = O, S, NH;

with the proviso that:

when $b_0 = 1$ and $k_0 = 0$, then T_B = (CO);

when $b_0 = 1$ and $k_0 = 1$, being K = (CO), then $T_B = X$ as defined above;

T_{B1} = (CO) or (X), wherein X is as defined above;

when $c_0 = 0$, then T_{B1} = O;

the precursor of B is N-acetylcysteine or ferulic acid;

C = bivalent radical having the formula $T_e - Y$

wherein

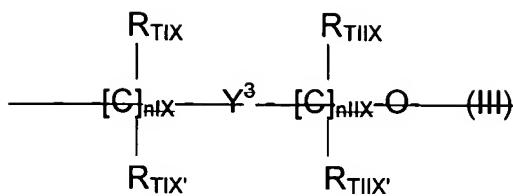
T_e = (CO) or X being as defined above;

with the proviso that when $b_0 = 0$ and $k_0 = 1$:

— T_e = (CO) when K = (1C),

- T_e = X as defined above when K = (CO); and

Y is has one of the following meanings:

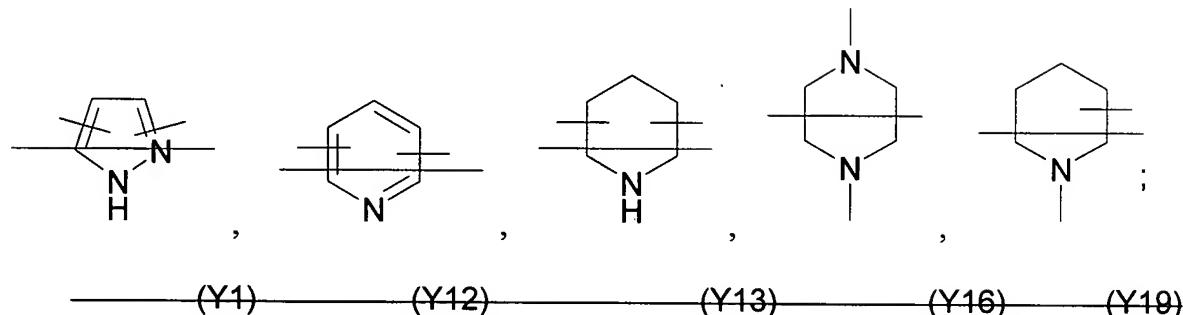


wherein:

~~nIX and nIIIX are 1;~~

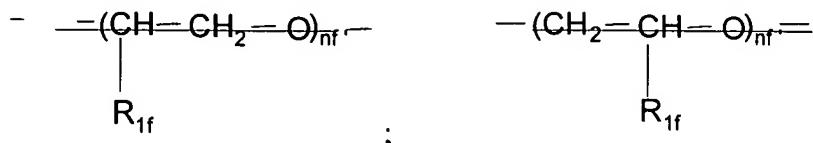
~~$R_{TIX}, R_{TIX'}, R_{TIX}, R_{TIX'}$ are H;~~

~~Y³ is selected from the following bivalent radicals:~~

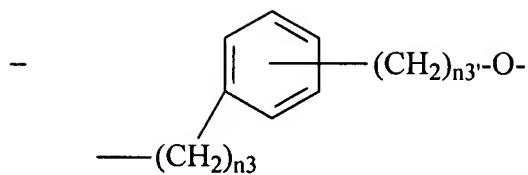


or Y may be:

an alkyleneoxy group -R'O- in which R' is straight or branched C₂-C₆ alkyl; or

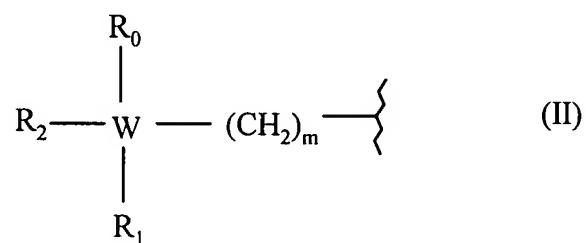


wherein R₁ = H, CH₃ and n₁ is an integer from 1 to 4;



wherein n_3 is an integer from 0 to 3 and n_3' is an integer from 1 to 3;

R is the radical of an analgesic drug [[having]] of formula (II):



wherein:

W is a carbon atom;

m is [[0 or]] 1;

$R_0 = [[H \text{ or }]] \underline{(CH_2)_n-COOH} \underline{(CH_2)_n-COOH}$, wherein n is an integer of from 0 to 2;

$R_1 = H$;

R_2 is selected from the following groups:

- 3,4-dihydroxybenzyl; or
- a radical of formula (IIA) as defined in claim 1, wherein:

p and p_1 are 0 or 1;

p_2 and p_3 are 0;

R_4 and R_5 are hydrogen, straight or branched C₁-C₆-alkyl or free valence;

R_6 and R_{6A} are H;

with the proviso that when an ethylenic unsaturation is present between C₁ and C₂ in radical of formula (IIA), R₄ and R₅ are free valences able to form the double bond between C₁ and C₂;

Q is H, CH₃ or

- guanidino (H₂NC(=NH)NH-), or
- thioguanidino (H₂NC(=S)NH-);

in formula (II) R₂ with R₁ and with W form together a C₆ saturated ring.

4. (Currently Amended) Compounds according to claim 1, wherein when in formula (II) W = C, m = 1 and R₀ = -(CH₂)_n-COOR_y, wherein n = 1 and R_y = H; R₂ and R₁ with W as defined above form the cyclohexane ring; the drug precursor of R having the formula R-NH₂ is known as gabapentin;

~~when in formula (II) W = C, m = 0 and R₀ if defined as for gabapentin with n = 0; R₁ = H; R₂ is the radical of formula (IIA) in which p = p₁ = 1, p₂ = p₃ = 0, R₄ = R₅ = R₆ = R_{6A} = H, Q = H; the drug precursor of R having the formula R-NH₂ is known as norvaline;~~

~~when in formula (II) W = C, m = 0 and R₀ if defined as for gabapentin with n = 0; R₄ = H; R₂ is the radical of formula (IIA) in which p = p₁ = 1, p₂ = p₃ = 0, R₄ = R₅ = R₆ = R_{6A} = H, Q is the guanidino group; the drug precursor of R having the formula R-NH₂ is known as arginine;~~

~~when in formula (II) W = C, m = 0 and R₀ if defined as for gabapentin with n = 0; R₁ = H; R₂ is the radical of formula (IIA) in which p = p₁ = 1, p₂ = p₃ = 0, R₄ = R₅ = R₆ = R_{6A} =~~

~~H, Q is the thioguanidine group; the drug precursor of R having the formula R-NH₂ is known as thiocitrulline;~~

~~when in formula (II) W = C, m = 1 and R₀ if defined as for gabapentin with n = 1; R₁ = H; R₂ is the radical of formula (IIA) in which p = p₁ = p₂ = p₃ = 0, R₄ = H, R₅ = Q = CH₃; the drug precursor of R having the formula R-NH₂ is known as pregabalin;~~

~~when in formula (II) W = C and has (S) configuration, m = 1 and R₀ if defined as for gabapentin with n = 1; R₁ = H; R₂ is the radical of formula (IIA) in which p = p₁ = p₂ = p₃ = 0, R₄ = H, R₅ = Q = CH₃; the drug precursor of R having the formula R-NH₂ is known as (S)3-isobutylGABA;~~

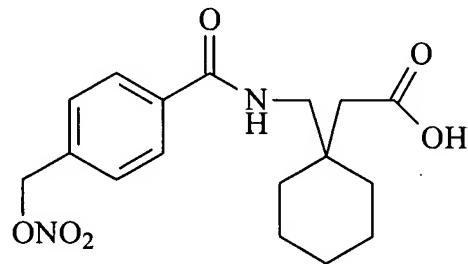
~~when in formula (II) W = C and has (S), m = 0; R₀ = R₄ = H; R₂ is the radical of formula (IIA) in which p = p₁ = 1, p₂ = p₃ = 0, R₄ = R₅ = R₆ = R_{6A} = H, Q is the guanidine group; the drug precursor of R having the formula R-NH₂ is known as agmatine;~~

~~when in formula (II) W = C, m = 0; R₀ if defined as for gabapentin with n = 2; R₁ = H; R₂ is the radical of formula (IIA) in which p = p₁ = p₂ = p₃ = 0, R₄ and R₅ are free valences and between C₄ and C₂ there is an ethylenic unsaturation, Q = H; the drug precursor of R having the formula R-NH₂ is known as vigabatrin;~~

~~when in formula (II) W = C, m = 0; R₀ if defined as for gabapentin with n = 0; R₁ = H; R₂ is the 3,4-dihydroxybenzyl radical; the drug precursor of R having the formula R-NH₂ is known as 2-amino-3-(3,4-dihydroxyphenyl)propanoic acid (dopa).~~

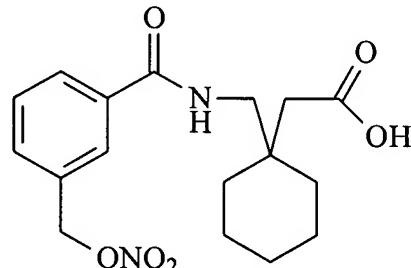
5. (Cancelled)

6. (Currently Amended) Compounds according to claim 1 selected from: 1-[4-(nitrooxymethyl)benzoylaminomethyl]-cyclohexaneacetic acid (XVA),



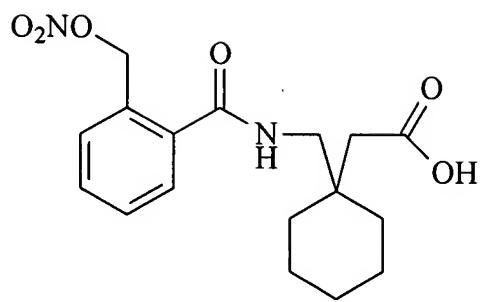
(XVA)

1-[3-(nitrooxymethyl)benzoylaminomethyl]-cyclohexaneacetic acid (XVIA),



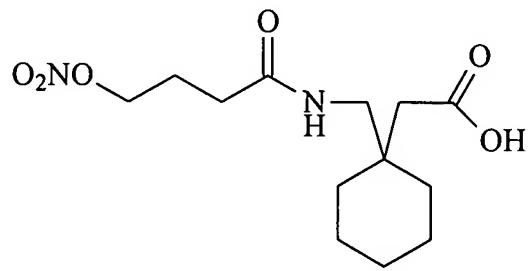
(XVIA)

1-[2-(nitrooxymethyl)benzoylaminomethyl]-cyclohexaneacetic acid (XVIIA),



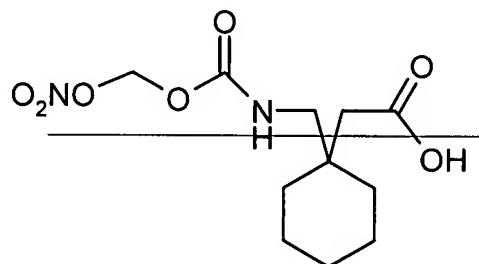
(XVIIA)

1-(4-nitrooxybutanoylaminomethyl)-cyclohexaneacetic acid (XVIIIA),



(XVIIIA)

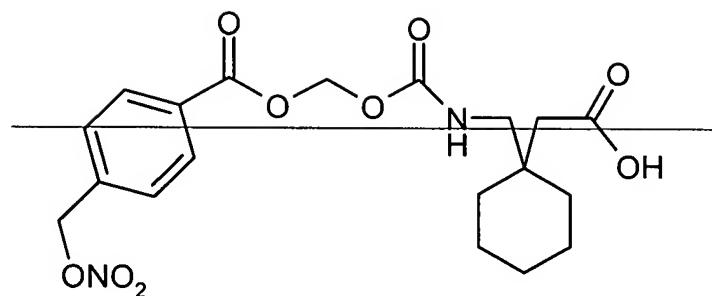
1-(nitrooxymethoxycarbonylaminomethyl)-cyclohexaneacetic acid (XIXA),



(XIXA)

1-[(4-(nitrooxymethyl)benzoyloxy)methoxycarbonylaminomethyl]-cyclohexaneacetic acid

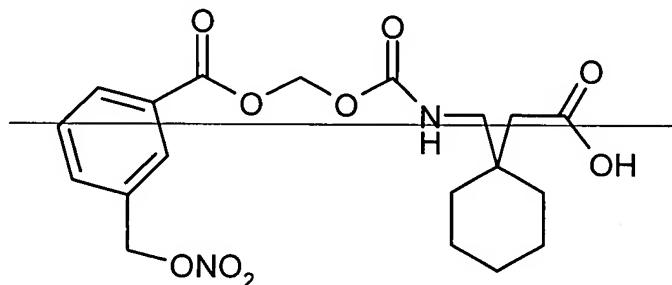
(XXA),



(XXIA)

1-{[3-(nitrooxymethyl)benzoyloxy]methoxycarbonylaminomethyl}cyclohexaneacetic acid

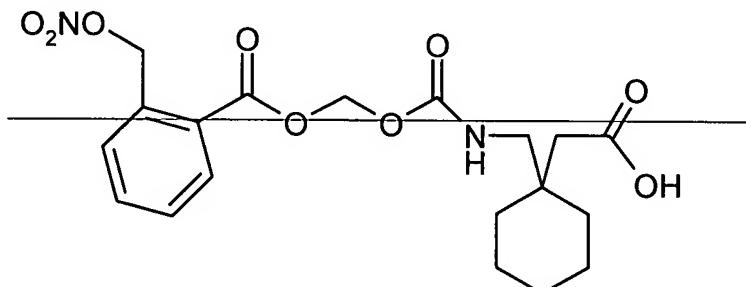
(XXIA),



(XXIA)

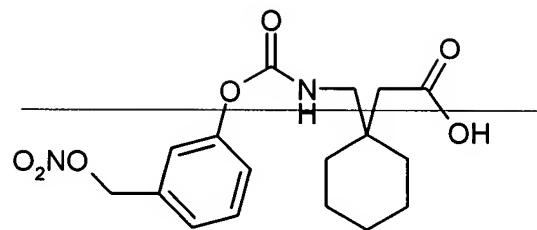
1-{[2-(nitrooxymethyl)benzoyloxy]methoxycarbonylaminomethyl}cyclohexaneacetic acid

(XXIIA),



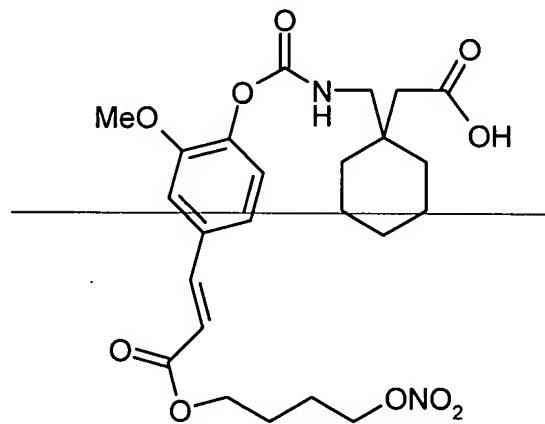
(XXIIA)

1-{[3-(nitrooxymethyl)phenoxy]methoxycarbonylaminomethyl}cyclohexaneacetic acid (XXIIIA),



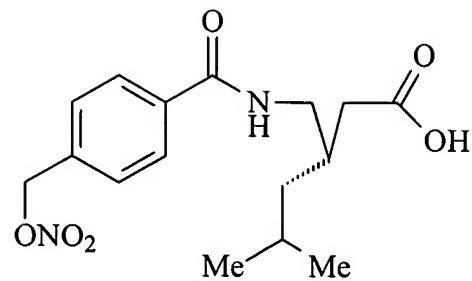
(XXIIIA)

{2-methoxy-4-[(1E)-3-[4-(nitrooxybutoxy)-3-oxa-1-propenylphenoxy]carbonylamino-methyl} cyclohexaneacetic acid (XXIVA),



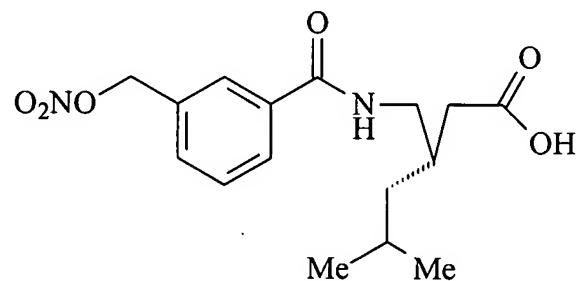
(XXIVA)

3-(S)-[4-(nitrooxymethyl)benzoylaminomethyl]-5-methyl-hexanoic acid (XXVA),



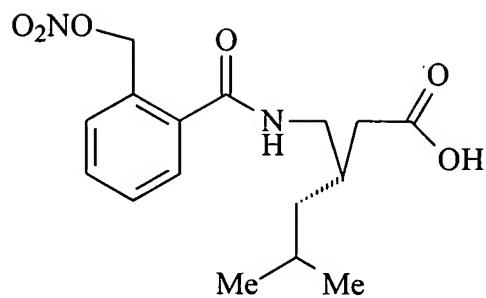
(XXVA)

3-(S)-[3-(nitrooxymethyl)benzoylaminomethyl]-5-methyl-hexanoic acid (XXVIA),



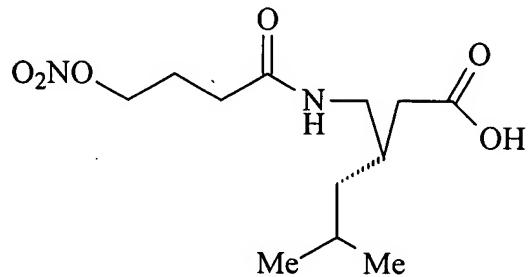
(XXVIA)

3(S)-[2-(nitrooxymethyl)benzoylaminomethyl]-5-methyl-hexanoic acid (XXVIIA),



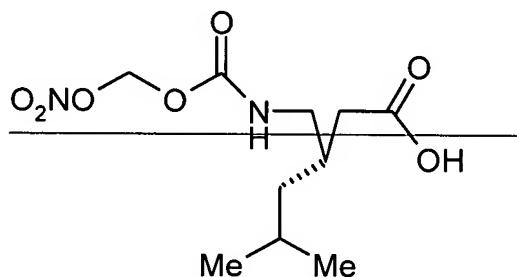
(XXVIIA)

3(S)-[4-(nitrooxybutanoyl)aminomethyl]-5-methyl-hexanoic acid (XXVIIIA),



(XXVIIIA)

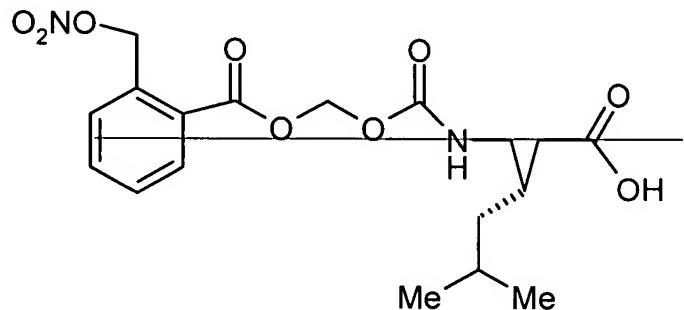
(S)-[4-(nitrooxymethoxycarbonyl)aminomethyl]-5-methyl hexanoic acid (XXIXA),



(XXIXA)

~~3(S)-{[2-(nitrooxymethyl)benzoyloxy]methoxycarbonylaminomethyl}-5-methyl hexanoic~~

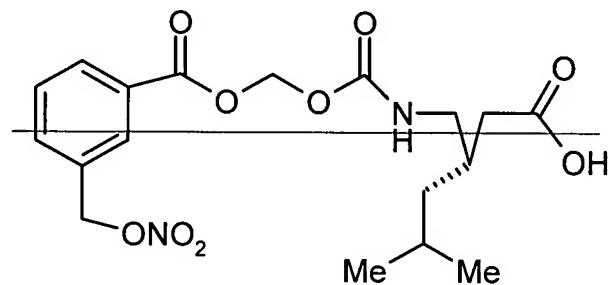
~~acid (XXXA),~~



(XXXA)

~~3(S)-{[3-(nitrooxymethyl)benzoyloxy]methoxycarbonylaminomethyl}-5-methyl hexanoic~~

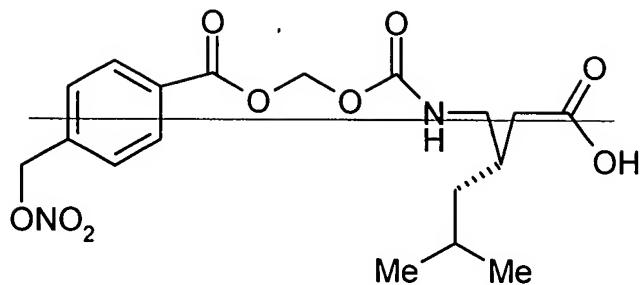
~~acid (XXXIA),~~



(XXXIA)

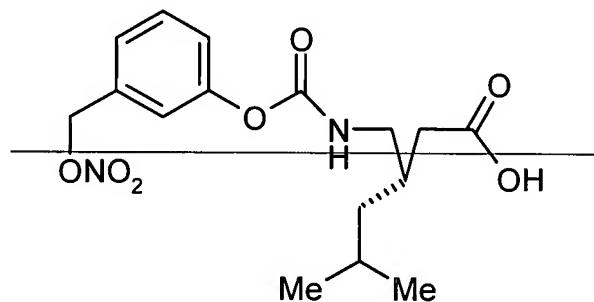
~~3(S)-{[4-(nitrooxymethyl)benzoyloxy]methoxycarbonylaminomethyl}-5-methyl hexanoic~~

~~acid (XXXIIA),~~



(XXXIIA)

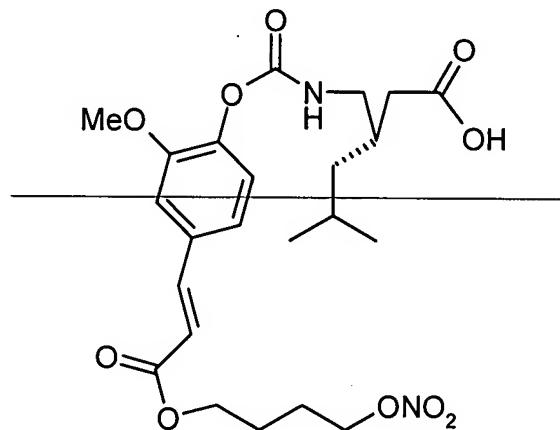
3(S)-[(3-nitrooxymethyl)phenoxy carbonylaminomethyl]-5-methyl hexanoic acid (XXXIIA),



(XXXIIA)

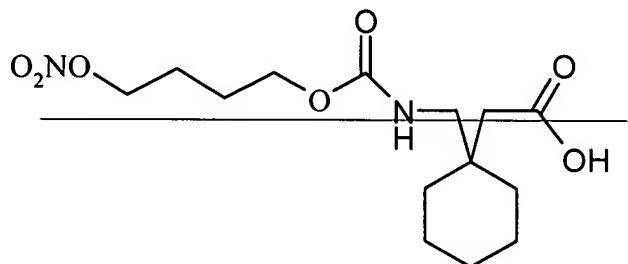
3(S)-[2-methoxy-4-[(1E)-3-[4-(nitrooxybutoxy]-3-oxa-1-propenylphenoxy]carbonyl-

aminomethyl]-5-methyl hexanoic acid (XXXIVA),



(XXXIVA)

~~1-[4-(nitrooxybutyloxycarbonyl)aminomethyl]cyclohexaneacetic acid (XXXVA),~~



(XXXVA)

7. (Previously Presented) Compounds according to claim 1, in combination with NO-donor compounds.

8. (Original) Compounds according to claim 7, wherein the NO-donors contain in the molecule radicals of the following drugs: aspirin, salicylic acid, ibuprofen, paracetamol, naproxen, diclofenac and flurbiprofen.

9. (Previously Presented) Pharmaceutical compositions comprising compounds according to claim 1 as active ingredients.

10. (Previously Presented) Compounds according to claim 1 to be employed as a drug.

11. (Withdrawn and Currently Amended) Use of A method of treatment of chronic pain comprising administering an effective amount of the compounds according to claim 1 for preparing drugs for chronic pain.

12. (Withdrawn and Currently Amended) ~~Use of the compounds~~ The method according to claim 11, wherein the chronic pain is neurophatic pain.